In the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1 - 28 (**Canceled**)

Claim 29 (New): A genetic design method executable on a computer comprising:

selecting a parent profile representing an outline for design of a structure;

dividing the parent profile into segments, each of the segments having at least one dimensional characteristic; and

evolving the parent profile using a genetic algorithm to produce an offspring profile with a variation in the at least one dimensional characteristic of at least one of the segments, the offspring profile representing a new outline for the design of the structure.

Claim 30 (New): A genetic design method as claimed in claim 29, wherein the segments of the profiles represent curves and lines of contours of externally visible components of the structure.

Claim 31 (New): A genetic design method as claimed in claim 29, wherein at least one of the profiles includes at least one dimensional characteristic pertaining to the overall profile.

Claim 32 (New): A genetic design method as claimed in claim 29, wherein at least one of the profiles includes different levels of detail.

Claim 33 (New): A genetic design method as claimed in claim 29, wherein at least one of the profiles includes a grouping of the segments that represents a component of the structure.

Claim 34 (New): A genetic design method as claimed in claim 29, wherein at least one of the profiles includes a grouping of the segments that represents a component of the structure, the grouping including at least one dimensional characteristic pertaining to the grouping.

Claim 35 (New): A genetic design method as claimed in claim 29, wherein at least one of the profiles includes at least two groupings of the segments that respectively represent at least two components of the structure, the profile including a relational parameter pertaining to a relationship between the at least two groupings.

Claim 36 (New): A genetic design method as claimed in claim 29, wherein at least one of the profiles includes a relationship between at least two of the segments, the relationship including a radius parameter.

Claim 37 (New): A genetic design method as claimed in claim 29, wherein the profiles are of an automobile.

Claim 38 (New): A genetic design method as claimed in claim 29, further comprising displaying at least one of the profiles.

Claim 39 (New): A genetic design method as claimed in claim 32, further comprising displaying at least one of the profiles at one of the different levels of detail.

Claim 40 (New): A genetic design method as claimed in claim 33, further comprising displaying the grouping.

Claim 41 (New): A genetic design method as claimed in claim 29, further comprising generating a family tree identifying successive generations of the parent and offspring profiles.

Claim 42 (New): A genetic design method as claimed in claim 29, further comprising:

generating a family tree identifying successive generations of the parent and offspring profiles; and

displaying the parent profile, the offspring profile, and the family tree.

Claim 43 (New): A genetic design method as claimed in claim 29, further comprising displaying at least one of the profiles as a three-dimensional image.

Claim 44 (New): A genetic design method as claimed in claim 29, further comprising modifying the at least one dimensional characteristic for at least one of the segments.

Claim 45 (New): A genetic design method as claimed in claim 31, further comprising modifying the at least one dimensional characteristic pertaining to the overall profile.

Claim 46 (New): A genetic design method as claimed in claim 29, further comprising modifying at least one of the profiles to identify a grouping the segments that represents a component of the structure.

Claim 47 (New): A genetic design method as claimed in claim 29, further comprising:

modifying at least one of the profiles to identify a grouping of the segments that represents a component of the structure; and

specifying at least one dimensional characteristic pertaining to the grouping.

Claim 48 (New): A genetic design method as claimed in claim 47, further comprising modifying the dimensional characteristic pertaining to the grouping.

Claim 49 (New): A genetic design method as claimed in claim 29, further comprising:

modifying at least one of the profiles to identify at least two groupings of the segments that respectively represent at least two components of the structure; and

specifying a relational parameter pertaining to a relationship between the at least two groupings.

Claim 50 (New): A genetic design method as claimed in claim 49, further comprising modifying the relational parameter pertaining to the relationship between the at least two groupings.

Claim 51 (New): A genetic design method as claimed in claim 36, further comprising modifying the relationship between the at least two segments.

Claim 52 (New): A genetic design method as claimed in claim 29, wherein said evolving isolates at least one of the segments of the parent profile from variation.

Claim 53 (New): A genetic design method as claimed in claim 31, wherein said evolving isolates the at least one dimensional characteristic pertaining to the overall profile from variation.

Claim 54 (New): A genetic design method as claimed in claim 33,

wherein the grouping is part of the parent profile, and

wherein said evolving isolates the grouping from variation.

Claim 55 (New): A genetic design method as claimed in claim 29, wherein said evolving evolves only the segments selected by a user.

Claim 56 (New): A genetic design method as claimed in claim 29,

wherein the parent profile includes at least two groupings of the segments that respectively represent at least two components of the structure, and

wherein said evolving evolves only the segments of the grouping selected by the user.

Claim 57 (New): A genetic design method as claimed in claim 34,

wherein the grouping is part of the parent profile, and

wherein said evolving evolves the at least one dimensional characteristic pertaining to the grouping.

Claim 58 (New): A genetic design method as claimed in claim 35,

wherein the at least two groupings are part of the parent profile, and

wherein said evolving evolves the relational parameter pertaining to the relationship between the at least two groupings.

Claim 59 (New): A genetic design method as claimed in claim 36,

wherein the relationship between the at least two segments is part of the parent profile, and

wherein said evolving evolves the relationship between the at least two segments.

Claim 60 (New): A genetic design method as claimed in claim 29, wherein said evolving accounts for a user preference to keep at least one of the segments.

Claim 61 (New): A genetic design method as claimed in claim 33, wherein said evolving accounts for a user preference to keep the grouping.